

## Message Text

UNCLASSIFIED

PAGE 01 VIENNA 00813 01 OF 02 031325Z

45

ACTION OES-05

INFO OCT-01 EUR-12 ISO-00 ERDA-07 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FEAE-00 FPC-01 H-02

INR-07 INT-05 L-03 NSAE-00 NSC-05 OMB-01 PM-04

USIA-15 SAM-01 SP-02 SS-15 STR-04 TRSE-00 ERDE-00

CEQ-01 EPA-04 /110 W

----- 026500

P R 031220Z FEB 76

FM AMEMBASSY VIENNA

TO SECSTATE WASHDC PRIORITY 7695

INFO USMISSION OECD PARIS

UNCLAS SECTION 1 OF 2 VIENNA 0813

EO 11652: NA

TAGS: TECH, ENRG, AU

SUBJECT: BACKGROUND INFORMATION ON FOREIGN ENERGY PROGRAMS

REF: A. 75 STATE 301432, B. VIENNA 0329

1. SUMMARY. FOLLOWING INFORMATION COMPLETES THAT REQUESTED IN REF A. END SUMMARY..

2. COUNTRY BACKGROUND/OVERALL GOVERNMENT STRUCTURE:

AUSTRIA IS A FEDERAL REPUBLIC WITH A PARLIAMENTARY FORM OF GOVERNMENT. RESPONSIBILITY FOR ADMINISTRATION OF FEDERAL LAWS RESTS WITH FEDERAL MINISTRIES. CURRENT LEGAL BASIS OF GOVERNMENT STRUCTURE IS "FEDERAL LAW CONCERNING NUMBER JURISDICTION AND ORGANIZATION OF FEDERAL MINISTRIES" (FEDERAL MINISTRIES LAW 1973), FEDERAL LAW GAZETTE 389/1973. OFFICE OF FEDERAL CHANCELLOR (PRIME MINISTER) IS LEGALLY A FEDERAL MINISTRY. WHILE ABOVE LAW ASSIGNS PRIMARY RESPONSIBILITY OVER ENERGY MATTERS TO FEDERAL MINISTRY OF TRADE, COMMERCE AND INDUSTRY, IT LEAVES CERTAIN UNCLASSIFIED

UNCLASSIFIED

PAGE 02 VIENNA 00813 01 OF 02 031325Z

JURISDICTIONS WITH FEDERAL MINISTRY OF

SCIENCE AND RESEARCH, FEDERAL MINISTRY OF CONSTRUCTION AND TECHNOLOGY, FEDERAL MINISTRY OF HEALTH AND ENVIRONMENTAL PROTECTION AND FEDERAL CHANCELLERY. WITHIN MINISTRIES FOLLOWING OFFICES ARE CHARGED WITH SPECIFIC RESPONSIBILITIES CONCERNING ENERGY:

FEDERAL MINISTRY OF TRADE, COMMERCE AND INDUSTRY:  
SECTION VI- ENERGY POLICY, ANALYSES OF ENERGY PROBLEMS AND ENERGY MANAGEMENT;

FEDERAL MINISTRY OF SCIENCE AND RESEARCH: SECTION II- ESTABLISHMENT OF ENERGY RESEARCH PROGRAMS AND PRIORITIES;

FEDERAL MINISTRY OF CONSTRUCTION AND TECHNOLOGY:  
SECTION IV- MATTERS PERTAINING TO STANDARDIZATION OF ELECTRICAL PLANTS AND FACILITIES;

FEDERAL CHANCELLERY- SECTION V- OVERALL COORDINATION OF NUCLEAR ENERGY MATTERS; ENERGY AND NUCLEAR ENERGY QUESTIONS WITH OECD (AND IEA).

3. FOLLOWING MINISTRIES HAVE RESPONSIBILITIES WITH RESPECT TO LICENSING OF NUCLEAR POWER PLANTS:

FEDERAL MINISTRY OF HEALTH AND ENVIRONMENTAL PROTECTION: SECTIONS II AND III-UNDER RADIATION PROTECTION LAW;

FEDERAL MINISTRY OF CONSTRUCTION AND TECHNOLOGY;  
SECTION IV- UNDER BOILER LAW;

FEDERAL MINISTRY OF AGRICULTURE AND FORESTRY;

SECTION IV- UNDER WATER MANAGEMENT LAWS AND REGULATIONS.

4. ENERGY POLICY. AUSTRIAN NATIONAL POLICY WITH RESPECT TO ENERGY AND ENERGY RESEARCH IS SET FORTH IN:

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 VIENNA 00813 01 OF 02 031325Z

(A) ENERGY PLAN, DEVELOPED BY TRADE MINISTRY IN COOPERATION WITH ENERGY ADVISORY BOARD AND INDIVIDUAL INDUSTRY WORKING GROUPS WITH VIEW TO ENSURE DEVELOPMENT OF COMPREHENSIVE, INTEGRATED NATIONAL ENERGY POLICY. BOARD WAS SET UP IN TRADE MINISTRY IN JANUARY 1974 FOR PURPOSE OF ADVISING TRADE MINISTER ON BASIC ENERGY POLICY ISSUES. BOARD COMPOSED OF REPRESENTATIVES OF MINISTRIES

WITH ENERGY FUNCTIONS, CHAMBER OF COMMERCE, CHAMBER OF LABOR, LIAISON OFFICE OF FEDERAL PROVINCES, ENERGY INDUSTRY AND INDEPENDENT SCIENTISTS. ENERGY PLAN WAS ADOPTED BY AUSTRIAN CABINET IN MARCH 1975. IT IS SUBJECT TO ANNUAL REVIEW.

(1) MAIN OBJECTIVES OF AUSTRIAN ENERGY POLICY ARE AS FOLLOWS:

(A) IMPROVED EFFICIENCY IN USE OF DOMESTIC SOURCES;

(B) DIVERSIFICATION OF IMPORTED ENERGY SOURCES;

(C) INCREASE IN STORAGE CAPACITY WITH GOAL OF ACHIEVING 70 DAY ENERGY RESERVES BY 1976 AND 90 DAY RESERVES BY 1980;

(D) SYSTEMATIC IN-COUNTRY EXPLORATION FOR COAL, OIL, NATURAL GAS, URANIUM AND THORIUM; AND

(E) ENERGY CONSERVATION.

(2) DESIRED DEGREE OF SELF-SUFFICIENCY: MAINTENANCE OF PRESENT LEVEL OF 37 PERCENT.

(B) ENERGY RESEARCH PROGRAM (ADOPTED DECEMBER 1974) DEVELOPED BY MINISTRY OF SCIENCE AND RESEARCH IN COOPERATION WITH TRADE MINISTRY, AND IN ACCORD WITH OBJECTIVES OF ENERGY PLAN. ENERGY RESEARCH FOCUSES ON (1) IMPROVING EFFICIENCY IN USE AND EXPLORATION OF CONVENTIONAL ENERGY SOURCES AND (2) ON DEVELOPMENT OF NON-CONVENTIONAL ENERGY TECHNOLOGIES, SUCH AS SOLAR ENERGY, WIND ENERGY, GEOTHERMAL ENERGY. R&D PRIORITIES WERE REPORTED IN REF B.

(C) TYPE AND DEGREE TO WHICH WORK IS CARRIED OUT IN GOVERNMENT UNCLASSIFIED

UNCLASSIFIED

PAGE 04 VIENNA 00813 01 OF 02 031325Z

LABORATORIES; MAJORITY OF RESEARCH PROJECTS CARRIED OUT IN CO-OPERATIVE PROJECTS USING FACILITIES OF GOVERNMENT, INDUSTRY, UNIVERSITIES, AND PRIVATE INSTITUTES.

(D) JOINT GOVERNMENT/INDUSTRY ACTIVITIES IN R&D, HAVE 3 PRINCIPAL FORMS:

(A) DIRECT GOVERNMENT PARTICIPATION IN INDUSTRY PROJECTS:

(B) FINANCING VIA SCIENTIFIC AND INDUSTRIAL RESEARCH PROMOTION FUNDS UNDER WHICH GOVERNMENT AND INDUSTRY SHARE PROJECT COSTS EQUALLY;

(C) JOINT GOVERNMENT/INDUSTRY PARTICIPATION IN RESEARCH ORGANIZATIONS SUCH AS (1) AUSTRIAN STUDY SOCIETY FOR

ATOMIC ENERGY IN WHICH GOVERNMENT HOLDS 50.46 PERCENT INTEREST WPTH REMAINING 49.54 PERCENT HELD BY 57 POWER COMPANIES AND INDUSTRIAL ENTERPRISES. JOINT RGD PROJECTS INCLUDE WORK ON: PRESTRESSED CONCRETE RE- ACTORS; LIQUID METAL TECHNOLOGY FOR FAST BREEDERS; LIQUID METAL APPLICATION FOR TOPPING CYCLES FOR FOSSIL- FIRED POWER STATIONS; MATERIALS AND COATED PARTICLES FOR HIGH TEMPERATURE GAS-COOLED REACTORS; CONDITIONING OF RADIOACTIVE WASTE; DECONTAMINATION OF REACTOR AFFLUENTS. (2) GOVERNMENT AND INDUSTRY ALSO PLAN JOINT PROJECT FOR SOLAR ENERGY RESEARCH TO BE CARRIED OUT BY GOVERNMENT-OWNED AUSTRIAN SPACE AGENCY (ASA). PROJECT WILL INCLUDE FINANCIAL PARTICIPATION OF

NATIONALIZED AUSTRIAN OIL ADMINISTRATION (OEMV), SHELL AUSTRIA, AND GIROZENTRALE BANK.

(E) PRIVATE INDUSTRY'S ROLE IN ENERGY R&D IS MODEST. INDUSTRY RESEARCH IN ENERGY FIELD CONDUCTED PRIMARILY BY BIG NATIONALIZED INDUSTRIES BUT FREQUENTLY IN COOPERATION WITH PRIVATE FIRMS.

UNCLASSIFIED

NNN

UNCLASSIFIED

PAGE 01 VIENNA 00813 02 OF 02 031328Z

45

ACTION OES-05

INFO OCT-01 EUR-12 ISO-00 ERDA-07 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FEAE-00 FPC-01 H-02

INR-07 INT-05 L-03 NSAE-00 NSC-05 OMB-01 PM-04

USIA-15 SAM-01 SP-02 SS-15 STR-04 TRSE-00 ERDE-00

CEQ-01 EPA-04 /110 W

----- 026517

P R 031220Z FEB 76

FM AMEMBASSY VIENNA

TO SECSTATE WASHDC PRIORITY 7696

INFO USMISSION OECD PARIS

UNCLAS SECTION 2 OF 2 VIENNA 0813

RESEARCH PROJECTS BY NATIONALIZED FIRMS INCLUDE: (1) AUSTRIAN OIL ADMINISTRATION IN FIELD OF PROSPECTING FOR HYDROCARBON RESOURCES, EXPLORATION OF GEOTHERMAL FIELDS, SOLAR AND WIND ENERGY; (2) VEREINIGTE EDELSTAHLWERKE (SPECIALITY STEEL PRODUCER) IN FIELD OF MULTI-CYCLE POWER SYSTEMS (TRIPLE CYCLE VAPOR PROCESS), DEVELOPMENT OF CONSTRUCTION MATERIALS FOR VERY LOW TEMPERATURES, AND CONCENTRATION OF RADIOACTIVE LIQUID WASTE; (3) ELIN UNION (ELECTRICAL EQUIPMENT) IN FIELD OF DEVELOPMENT OF EXTRA HIGH VOLTAGE TRANSFORMERS AND HIGH PERFORMANCE GENERATORS, AND SUPER-CONDUCTING MATERIALS FOR ELECTRIC GENERATORS; (4) VOEST-ALPINE (STEEL) IN FIELD OF DEVELOPMENT OF COMPONENTS FOR NUCLEAR POWER PLANTS (PRESSURE STEEL VESSELS); AND (5) VEREINIGTE METALLWERKE RANSHOFEN-BERNDORF (METALS) IN FIELD OF DEVELOPMENT OF SUPER-CONDUCTING MATERIALS AND SOLAR COLLECTORS.

(F) BASIC LEGISLATION AFFECTING ENERGY POLICY AND R & D PROGRAMS: FEDERAL MINISTRIES LAW 1973 (FEDERAL LAW GAZETTE 389/1973); RESEARCH PROMOTION LAW (FEDERAL LAW GAZETTE 377/1967).

#### 5. ENERGY R & D ACTIVITIES

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 VIENNA 00813 02 OF 02 031328Z

(A) STATUS AND OUTLOOK FOR FUTURE. COMPREHENSIVE GOVERNMENT REPORT TO PARLIAMENT AS REQUIRED BY PARA 3, SECTION 24 OF RESEARCH PROMOTION LAW ON STATUS AND OUTLOOK OF RESEARCH IN GENERAL, INCLUDING ENERGY RESEARCH, CURRENTLY UNDER PREPARATION BY MINISTRY OF SCIENCE AND RESEARCH. COMPLETION EXPECTED BY MID-APRIL OR EARLY MAY.

(B) INFORMATION ON ENERGY R & D BUDGET REPORTED REF (B).

#### 6. INTERNATIONAL ACTIVITIES. MEMBERSHIP IN INTERNATIONAL ORGANIZATIONS CONCERNED WITH ENERGY R & D.

(A) IAEA - INTERNATIONAL ATOMIC ENERGY AGENCY (AUSTRIAN CONTRIBUTION IN 1975 WAS (\$186,000).

(B) THE WORLD POWER CONFERENCE (AUSTRIAN CONTRIBUTION IN 1975 WAS \$10,046).

(C) OECD-NEA - NUCLEAR ENERGY AGENCY (AUSTRIAN CONTRIBUTION IN 1975 WAS \$117,000).  
PROJECTS: DRAGON - HIGH TEMPERATURE REACTOR PROJECT (AUSTRIAN CONTRIBUTION IN 1975 WAS \$201,000 PLUS PROVISION OF PERSONNEL).

EUROCHEMIC (AUSTRIAN CONTRIBUTION IN 1975 WAS \$71,000).

HALDEN REACTOR PROJECT PROGRAM (RE-PARTICIPATION).

(D) OECD-IAEA INTERNATIONAL ENERGY AGENCY.

PROJECTS: (1) COAL: (A) TECHNICAL INFORMATION SERVICE;  
(B) MINING TECHNOLOGY CLEARING HOUSE SERVICE-IMPLEMENTING  
AGREEMENTS SIGNED;

(2) SOLAR ENERGY: (AUSTRIA IS IEA LEAD COUNTRY FOR SMALL  
SOLAR ELECTRIC POWER SYSTEMS): (A) DEVELOPMENT OF SOLAR HEATING;  
COLLING AND SOLAR-HEATED HOT WATER SYSTEMS; (B) DEVELOPMENT  
OF COMPONENTS FOR SYSTEMS IN (A); (C) THERMAL PERFORMANCE  
TESTING OF SOLAR COLLECTORS; (D) INFERENCE OF ISOLATION  
PARAMETERS FROM EXISTING METEOROLOGICAL RECORDS.

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 VIENNA 00813 02 OF 02 031328Z

(3) RADIO ACTIVE WASTE: DISPOSAL OF RADIOACTIVE WASTE INTO  
GEOLOGICAL FORMATIONS (WITHIN FRAMEWORK OF NEA'S COMMITTEE  
ON WASTE MANAGEMENT).

(4) NUCLEAR SAFETY: (A) POWER BURST FACILITY (PBF), IDAHO  
FALLS, IDAHO; (B) HEAVY SECTION STEEL TECHNOLOGY PROGRAM  
(HSST), OAK RIDGE, TENN.; (C) LOS OF FLUID TEST FACILITY  
(LOFT), IDAHO FALLS; (D) PLENUM FILL EXPERIMENT (PFE),  
RICHLAND, WA.

(5) WASTE HEAT: (A) USE OF WASTE HEAT; (B) HEAT DEMAND MAP.

(6) CONSERVATION OF ENERGY: (A) EVALUATION OF HEAT PUMP  
DEVELOPMENT PROGRAMS (AUSTRIA IS IEA LEAD COUNTRY); (B)  
HEAT CASCADING - TRIPLE CYCLE VAPOR PROCESS. (AN AUSTRIAN  
HEADS IEA AD HOC GROUP).

(7) PARTICIPATION IN VARIOUS ADDITIONAL PROJECT IS UNDER  
CONSIDERATION.

(E) INTERNATIONAL AGREEMENTS IN ENERGY R & D FIELD TO WHICH  
COUNTRY IS PARTY: AUSTRIAN PARLIAMENT LAST FALL APPROVED  
GOA AUTHORITY TO QUOTE CONSENT TO BE BOUND UNQUOTE BY THE  
IEA INTERNATIONAL ENERGY PROGRAM. HOWEVER, GOA IS DELAYING  
NOTIFICATION OF RATIFICATION TO IEA PENDING PARLIAMENTARY  
APPROVAL OF IMPLEMENTING LEGISLATION.BUCHANAN

UNCLASSIFIED

NNN



## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** POLICIES, BIOGRAPHIC INFORMATION, ENERGY, ORGANIZATION & MANAGEMENT, PROGRAMS (PROJECTS)  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 03 FEB 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1976VIENNA00813  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D760040-0709  
**From:** VIENNA  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1976/newtext/t19760285/aaaacxel.tel  
**Line Count:** 323  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ACTION OES  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 6  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** 76 STATE 301432, 76 VIENNA 329  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** ElyME  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 02 JUN 2004  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <02 JUN 2004 by BrownAM>; APPROVED <10 DEC 2004 by ElyME>  
**Review Markings:**

Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
04 MAY 2006

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** BACKGROUND INFORMATION ON FOREIGN ENERGY PROGRAMS  
**TAGS:** TECH, ENRG, AU  
**To:** STATE  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006